

UNITED STATES DEPARTMENT OF COMMERCE

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APPLICATION NO.	FILING DATE	FIRST NAMED	INVENTOR	ATTORNEY DOCKET NO.		
9/016,707	01/30/98	MEYER	š	P 1017	7US01	
		IM71/0419	-7	EXAMINER		
RUCE E. BLACI ERCHANT & GOI	•		•	SHEWAREGED,	В	
ERCHANT & GO 100 NORWEST (i	ART UNIT	PAPER NUMBER	
O SOUTH SEVEN		31	•	1774	13	
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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

	Application No. Applicant(s) 09/016,707 Meyer			
Office Action Summary	09/016,707	Group Art Unit		
Office Action Cummary	Betelhem Shewareged		1774	
Responsive to communication(s) filed on Apr 5, 2000				
☐ This action is FINAL .				
☐ Since this application is in condition for allowance except in accordance with the practice under Ex parte Quay/83	for formal matters, 5 C.D. 11; 453 O.G. 2	prosecuti 13.	on as to the me	rits is closed
A shortened statutory period for response to this action is se longer, from the mailing date of this communication. Failure application to become abandoned. (35 U.S.C. § 133). Extend 37 CFR 1.136(a).	to respond within the	period for r	esponse will cau	se tne
Disposition of Claim				
X Claim(s) <u>1-8, 51, and 52</u>				
Of the above, claim(s)			is/are withdrawn	from consideration
☐ Claim(s)				
☐ Claim(s)			is/are	objected to.
☐ Claims	a	re subject to	restriction or ele	ection requirement.
 ☐ The drawing(s) filed on is/al ☐ The proposed drawing correction, filed on ☐ The specification is objected to by the Examiner. ☐ The oath or declaration is objected to by the Examine 	is 🗌 a		_disapproved.	
Priority under 35 U.S.C. § 119 Acknowledgement is made of a claim for foreign priority and the CERTIFIED copies are received. received in Application No. (Series Code/Serial received in this national stage application from *Certified copies not received: Acknowledgement is made of a claim for domestic post Attachment(s) Notice of References Cited, PTO-892 Information Disclosure Statement(s), PTO-1449, Paper Interview Summary, PTO-413 Notice of Draftsperson's Patent Drawing Review, PTO-1545	es of the priority document Number) In the International Bure Priority under 35 U.S.C. Per No(s)	nents have l		
☐ Notice of Informal Patent Application, PTO-152 — SEE OFFICE ACTION		G PAGES —		

Page 2

Application/Control Number: 09/016,707

Art Unit: 1774

DETAILED ACTION

- 1. Applicant's response filled on 04/05/2000 has been fully considered. The 35 USC § 112 has been withdrawn in view of Applicant's amendment and comments.
- 2. Claims 9-50 are canceled, claims 1-8 are amended, claims 51 and 52 are added and thus claims 1-8, 51 and 52 are pending.
- Applicant's argument to the 35 USC § 102 and 35 USC § 103 rejections is based on that the shape of prior art's "shot" are non-spherical, however, this argument has not been found persuasive. The prior art refers to the "shot" as small spherical particles (see page 74-3, last paragraph) and also Applicant's is claiming substantially spheroidal particles certainly not spherical particles, therefore, claims 1-8 stand rejected. Since prior art's particles and Applicant's particles are substantially identical the prior art's particles inherently possess the claimed average hardness and thus claim 52 is also rejected under 35 USC § 102.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Page 3

Application/Control Number: 09/016,707

Art Unit: 1774

- 5. Claims 1-8, 51 and 52 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- a. In claim 1, What comprises SiO₂, Al₂O₃, ---? Is it the coal slag or the coal fly ash or is it the hard outer shell?
- b. In claim 51, the term "at least about 90%" is indefinite. At "least" indicates 90% and more, however, "about" indicates a bit less than 90% and a bit more than 90%. It is suggested that the Applicant should use the terms either "at least" or "about".
- c. In claim 52, what is the symbol "HV"?
- 6. Any inquiry regarding this communication or earlier communications from the Examiner should be directed to Betelhem Shewareged, whose telephone number is (703) 305-0389. The Examiner can normally be reached Monday to Thursday from 7:30 AM to 6:00 PM.

A facsimile center has been established in Group 1700, Crystal Plaza 3, 8th floor, reception area. The hours of operation are Monday through Friday, 8:45 AM to 4:45 PM. The telecopier number for accessing the facsimile machine is (703) 305-3599 (for official after final

Art Unit: 1774

faxes) or (703) 305-5408 (for all other official faxes). This location should be used in all instances when faxing any correspondence to Art Unit 1774. Use of the Group 1700 center will facilitate rapid delivery of materials to Examiners in Art Unit 1774.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0651.

William Kanski Supervisory Patert Examiner Technology Center 1700

BS *35*

April 20, 2000.